CHIZHEVSKAYA, S.I., assistent

Changes in the coagulation system of the blood in anticoagulation therapy. Kaz. med. zhur. no. 2:24-27 Mr-Ap '6. (MIRA 14:4)

l. Kafedra terapii (zav. - prof. L.M. Rakhlin) Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey imeni V.I. Lenina.

(BLOOD—COAGULATION) (ARTERIOSCLEROSIS)
(ANTICOAGULANTS (MEDICINE))

SOV/137-58-11-23301

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 208 (USSR)

Sirota, N. N., Chizheyskava, S. N. AUTHORS:

Characteristic Temperatures of Mg2Si, Mg2Sn, and Si (Kharakteri-TITLE:

sticheskiye temperatury Mg2Si, Mg2Sn i Si)

PERIODICAL: Sb. nauchn. tr. Mosk. in-t tsvetn. met. i zolota, Nauchn. -tekhn. o-vo tsvetn. metallurgii, 1957, Nr 30, pp 175-191

The characteristic temperatures θ , the rates of propogation of longitudinal (ld) ultra sonic waves Vld, the modulus of elasticity E, ABSTRACT: and the microhardness of Si, Mg₂Si, and Mg₂Sn were determined experimentally. The compounds were obtained by the direct smelting of the components in a resistance furnace. $\boldsymbol{\theta}$ was determined by X-ray diffraction from the ratio of the intensities of one line at two different temperatures. V_{ld} and E were measured on an ultrasonic flaw detector UZD-7N. Microhardness was determined with a PMT-3 apparatus. For Si: $a \cdot 10^6 = 4.58$, $\theta = 758^{\circ}$ K, $V_{ld} \cdot 10^{-5} = 4.82$ cm/sec, $E = 5910 \text{ kg/mm}^2$; for Mg₂Si: 14.8, 398°K, 5.32, and 5430 respectively; for Mg₂Sn: 22, 206°K, 2.63, and 3940. θ calculated by means of the

coefficient of linear expansion agree well with the experimental values, Card 1/2

SOV/137-58-11-23301

Characteristic Temperatures of $\mathrm{Mg}_2\mathrm{Si},~\mathrm{Mg}_2\mathrm{Sn},~\mathrm{and}~\mathrm{Si}$

whereas those calculated by Lindemann's formula give incorrect values.

G. L.

Card 2/2

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sov/180-59-4-25/48

AUTHORS:

Glazov, V.M., Petrov, D.A. and Chizhevskaya, S.N.

(Moscow)

TITLE:

The Joint Solubility of Elements of Groups Three and

Five in Germanium

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 4, pp 153-155 (USSR)

ABSTRACT:

Pure germanium, AlSb, GaSb and InSb were used. Ge-GaSb and Ge-InSb alloys were prepared in an evacuated quartz flask at 1000°C and Ge-AlSb at 1250°C. They were held for one hour with periodic stirring and then the flask was immersed in cold water. Examinations under the

microscope showed that alloys of Ge with up to 3 wt % AlSb,

2.5 wt % GaSb or 0.5 wt % InSb were single-phased.

Microhardness measurements were also taken to determine the limiting solubility in the solid state. Results are given in Table 2 and phase diagrams constructed in Fig 1, 2 and 3. Maximum solubility by this method was 3% for Alsb, 2.5% for GaSb and 0.7% for InSb. The results show that the antimonides are more soluble in germanium than the pure elements aluminium, gallium and indium. This is explained by the fact that donor and acceptor elements

Card 1/2

5.4110 24.7600 5(1), 5(2)

SOV/20-129-4-43/68

AUTHORS:

Glazov, V. M., Chizhevskaya, S. N.

1

TITLE:

Resistivity to Heat of the Antimonides of Aluminum, Gallium, and Indium Dissolved in Molten Germanium

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 4, pp 869-872

(USSR)

ABSTRACT:

The authors wanted to draw a conclusion on the state of the antimonides dissolved in Ge on the basis of the investigation of the intramolecular interaction in systems Ge-AIIISb (where

AIII is Al, Ga, In). In references 1-4 a method for the analysis of the interaction in binary systems is described. To use this method for the solution of this task the phase diagrams of

Ge-AIII Sb and of the heat of fusion of germanium must be known. The quasi-binary systems Ge-AIII Sb the position of which in the concentration triangle may be seen in figure 1 are described by phase diagrams eutectic type with a limited solubility in solid state. Since the solubility of Al, Ga, and In is very low in this state (Ref 6), equation (2) may be used for the corresponding calculations. Figure 2 shows the liquidus curves

Card 1/4

SOV/20-129-4-43/68
Resistivity to Heat of the Antimonides of Aluminum, Gallium, and Indium Dissolved in Molten Germanium

which correspond to the primary crystallization of germanium in this system. The calculations on the basis of (2) show that the mixing energy of aluminum antimonide with germanium is near zero. The experimentally found liquidus ourve agrees practically with the calculated curve. This indicates that the solutions of aluminum antimonide in germanium are approximated to the ideal solutions. In the dissolution of gallium- and indium antimonide in germanium considerable deviations from the ideal state are observed. This is indicated by considerable divergencies of the experimentally found liquidus lines and of the lines found on the basis of equation (2) (under the assumption that V' = 0) (Fig 2). The mixing energy is here negative and increases with the temperature of the liquidus and with the dilution of the solution. Apparently the change of the mixing energy in the formation of solutions (Table 1) is connected with the changes of the gallium and indium anti-

Card 2/4

SOV/20-129-4-43/68 Resistivity to Heat of the Antimonides of Aluminum, Gallium, and Indium Dissolved in Molten Germanium

> monide dissociation degree according to the temperature with respect to the liquidus lines of these systems. Figure 3 shows the dependences $\ln x_{Ge} - 1/T_{lig}$ for the systems Ge-AIIISb. On the basis of the above analysis the authors arrive at the conclusion that in molten germanium the aluminum antimonide dissolved in germanium at temperatures which do not exceed those of the heat of fusion of germanium does not dissociate or only to a slight degree into very weak components. The antimonides of gallium and indium however, are considerably dissociated. Their intensive dissociation begins at lower temperatures compared to pure compounds. Thus a germanium medium somewhat reduces the resistivity to heat of the dissolved compounds. This weakening effect of the germanium medium is obviously connected with its dielectric properties. The authors thank D. S. Kamenetskaya for advice. There are 4 figures, 1 table, and 11 references, 9 of which are Soviet.

Car4 3/4

Resistivity to Heat of the Antimonides of Aluminum, Gallium, and Indium Dissolved in Molten Germanium

ASSOCIATION: Institut metallurgii im. A. A. Baykova Akademii nauk SSSR

(Institute of Metallurgy imeni A. A. Baykov of the Academy

of Sciences, USSR)

PRESENTED: July 13, 1959, by G. V. Kurdyumov, Academician

SUBMITTED: June 5, 1959

Card 4/4

S/032/60/026/06/15/044 B010/B016

18.7520 AUTHORS:

Glazov, V. M., Chizhevskaya, S. N.

TITLE:

Determination of Temperature at the Beginning of Crystallization of Alloys by Means of the Viscosity Method

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 6, pp. 720-723

TEXT: The applicability of viscosity measurement for determining the temperature of the beginning crystallization of alloys was investigated. The measurements were performed by means of a viscosimeter which was described in a paper by D. A. Petrov and V. M. Glazov (Ref. 6). The well-known system Sb-Ge (Ref. 5) was investigated at 600-900 C

in the vacuum of 10^{-3} torr. Instead of the kinematic viscosity the dependence of the logarithmic decrement (δ) of the deviations in the viscosity measurements on the temperature (Fig. 2) was determined. The physical behavior of the alloy when forming the first

Card 1/2

Determination of Temperature at the Beginning of Crystallization of Alloys by Means of the Viscosity Method

S/032/60/026/06/15/044 B010/B016

crystals will thus be better illustrated. In the system mentioned the increase in viscosity on transition from the one-phase to the two-phase state was not so abrupt as was observed by Ye. G. Shvidkovskiy and L. S. Priss (Ref. 1) in Bi-Pb alloys. The liquidus line for the system Sn-SiC was drawn by the method described (Fig. 5). The dependence curves 6, t (Fig. 4) (t = temperature) show that 6 is much higher for the Sn-SiC alloys than for pure Sn. The dependence curves 6, t at different SiC content vary, which is due to a transition from the one-phase to the two-phase state. There are 5 figures and 6 references; 5 Soviet and 1 American.



ASSOCIATION: Institut metallurgii Akademii nauk SSSR (Institute of Metallurgy of the Academy of Sciences USSR)

Card 2/2

GLAZOV, V.M. (Moskva); CHIZHEVSKAYA, S.N. (Moskva)

Connection between the properties of certain semiconducting chemical compounds in solid and liquid states. Izv. AN. SSSR. Otd. tekh. nauk. Met. i topl. no.3:154-157 My-Je '61. (MIRA 14:7) (Semiconductors)

S/181/61/003/009/021/039 B102/B104

24.7700 (1144, 1160, 1164)

AUTHORS: Glazov,

Glazov, V. M., and Chizhevskaya, S. N.

TITLE:

Study of the electric conductivity of germanium and of the A^{III}Sb compounds in the melting range and in the liquid phase

PERIODICAL:

rızika tverdogo tela, v. 3, no. 9, 1961, 2694 - 2698

TEXT: The nature of the change of the chemical bonds on melting germanium and the A III Sb compounds has hitherto been insufficiently studied and the conclusions drawn by different authors diverge. Thus, e.g., A.R. Regel' assumed that on melting the three-dimensional system of the solid homeopolar bonds is destroyed. T.A. Kontorova observed that on melting not the nature of the bonds is changed but only the valence bridges loose their rigid spatial orientation. In a previous paper V.M. Glazov found that on melting the rigidly oriented bonds are often conserved and are destroyed only when the temperature is further increased. In this case new electron configurations are then formed. To give a definite explanation of these phenomena the authors measured the temperature dependence of the electric conductivity of Ge, AlSb, and GaSb, and InSb on melting and in the liquid phase. The Card 1/3

S/181/61/003/009/021/039 B102/B104

Study of the electric conductivity...

specimens were produced from single crystals; the total impurity concentration did not exceed 10^{-3} - $10^{-4}\%$. The 6(t) curves of all specimens showed a similar course: 6 was constant up to the melting point where it suddenly steeply rose to a multiple (3 - 5) of its value and after which it slightly decreased again. Only in InSb 6 slightly increased already before the melting point was attained. As soon as the melting point was attained it increased jump-like and on further heating it decreased somewhat more rapidly than in the other semiconductors studied here. In all cases the weak decrease of 6 was observed approximately 10 - 20°C after the melting point was attained. The absolute values of 6 of the molten semiconductors indicated a regular change in the sequence Ge - IrSb - GaSb - AlSb. These results permit definite conclusions on the change of the bond character. As was assumed already by Regel', the rigid homoeopolar bonds are destroyed on melting. This destruction is, however, incomplete. On further heating, the bonds were completely destroyed (which is proved by the further, although weak, increase of 6 after the melting). For InSb this second stage is limited to a very narrow temperature range. This is due to the fact that InSb has a metallic bond character already in the solid phase. The assumption of the fundamental change of the bond character on melting was verified by measuring G(t) on cooling. It was found that the G(t) curves Card 2/3

S/181/61/003/009/021/039 B102/E104

Study of the electric conductivity ...

were irreversible which proved the radical change of the bond character. There are 4 figures and 12 references: 11 Soviet and 1 non-Soviet.

ASSOCIATION: Institut metallurgii im. A. A. Baykova AN SSSR Moskva

(Institute of Metallurgy imeni A. A. Baykova AS USSR, Moscow)

SUBMITTED: April 20, 1961

Sard 3/3

S/078/62/007/008/004/008 B101/B1;8

AUTHORS:

Chizhevskaya, S. N., Glazov, V. M.

TITLE:

Investigation into the gallium - tellurium interaction in

molten state

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 8, 1962, 1933-1937

TEXT: To study molecular interaction in the liquid Ge - Te system, the viscosity and electrical conductivity of melts containing 33 - 75 atom%

Te were measured as a function of temperature between 750 and 1300°C.
Results: (1) The compound GaTe, and alloys in its primary crystallization range (group I), have continuously decreasing viscosity and almost linearly rising conductivity. (2) The viscosity of Ga2Te3

ing alloys (group II), however, showed 60 - 80°C above melting point.

(3) The conductivity of this group also increases with temperature.

For Ga₂Te₃ in the solid state it increases exponentially rapidly at melting point and slowly above it, becoming almost independent of

Card 1/2

3 3961 s/020/62/145/001/015/018 B145/B101 Chizhevskaya, S. N., and Glazov, V. M. Study of the chemical interaction between indium and PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 1, 1962, 115 - 118 AUTHORS: The state of the system In - Te was studied at approximately 500 -TITLE: 1000°C by measuring the viscosity and electrical conductivity. The viscosity of melts containing 33 -57 % To decreased steadily as the temper viscosity of melts containing 33 -57 % To decreased steadily as the curves of sair and me showed class viscosity of melts containing 33 -57 % To decrease at the curves of sair and me showed class viscosity of melts containing 33 -57 % To decrease at the curves of sair and me showed class viscosity at the curves of sair and measuring the curves of sair viscosity of melts containing)) -) 7 Te decreased steadily as the temp ature rose, whereas the curves of 58.5 - 80 % Te showed clear viscosity ature rose, whereas the curves of 58.5 - 80 % Te showed clear who conducting may make the curves of 58.5 - 80 % Te showed clear viscosity at t ature rose, whereas the curves of 50.7 - 50 % Te showed clear viscosity the maximum. The conductivity maxima. The In Te 3 of all the compositions increased noticeably with the temperature. The of all the compositions increases exponentially with the temperature conductivity of solid In Te 3 (the width of the forbidden band was with diagram) increases sharnly between (the width of the forbidden band was view calculated from the inclination of the straight line in the log o-1/T diagram), increases sharply between the straight line in the log o-1/T diagram), and at more than the melting point and 50 - 600 shove it than slowly and at more than of the straight line in the log o-1/T diagram), increases sharply between the melting point and 50 - 60°C above it, then slowly, and at more than the melting point it increases no longer. For this composition, the increase and the decrease in viscosity correspond respectively to the increase and the decrease in viscosity correspond respectively. the increase and the decrease in viscosity correspond respectively to the

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s/020/62/145/001/015/018 B145/B101

Study of the chemical interaction ...

sharp rise and the slow rise of the curve. The isothermal lines in the composition - conductivity and composition - viscosity diagrams show two distinct minima or maxima, respectively: a singular one for In2Te3 and a non-singular one for approximately InTe (slightly displaced in the direction of Te excess). This shows that the compound In Te is very stable in its liquid state after melting and does not become partially dissociated until high temperatures are reached. The compound InTe partially dissociates just above its melting point. In In 2Te 3, homeopolar bonds among the atoms are not affected by melting. The increase in conductivity in the range m.p..-(m.p. + 50 - 60°C) might be due to a rearrangement of structural elements in the melt on the principle of close packing. A eutectic in the phase diagram corresponds to the low viscosity minimum, which is explained by a slight interaction between In2Te3 and the products that result from the dissociation of InTe. There are 4 figures. The most important English-language reference is: F. Filding, G. Fischer, E. Mooser, Phys. and Chem. of Solids, 8, 434 (1959).

Institut metallurgii im. A. A. Haykova (Institute of Metallurgy imeni A. A. Baykov) ASSOCIATION: Card 2/3

GLAZOV, V.M.; CHIZHEVSKAYA, S.N.

Some physical properties of gallium arsenide and indium arsenide in the region of melting and the fluid state. Fiz.tver.tela 4 no.7:1841-1845 J1 162. (MIRA 16:6)

1. Institut metallurgii imeni A.A.Baykova, Moskva.
(Gallium arsenide) (Indium arsenide)

CHIZHEVSKAYA, S.H.; GLAZOV, V.M. Interaction of gallium with tellurium in the fused state.

Zhur. neorg. khim. 7 no.8:1933-1937 Ag 102. (MIRA 16:6)

(Gallium-tellurium alloys)

morphological features of crystels of GaP. G. V. Averkiyeva, A. S. Eorshenevskiy, G. K. Kalyuzhnaya, A. D. Smirnova, D. N. Tret'yakov, N. N. Takhtareva (10 minutes).

Features of the growth of crystals of silicon carbide of the cubic modification from the gaseous phase. A. A. Pletyushkin, S. N. Gorin, L. M. Ivanova (10 minutes).

Investigation of the physical properties of semiconducting compounds with the lattice of ZnS and NaCl in the melting region and liquid state. V. M. Glazov, S. N. Chizhevskaya, N. N. Glagoleva (10 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

S/0181/64/006/006/1684/1687

AUTHORS: Glazov, V. M.; Chizhevskaya, S. N.

TITLE: A study of the magnetic susceptibility of germanium silicon and compounds with ZnS lattices in the regime of fusion and in liquid state

SOURCE: Fizika tverdogo tela, v. 6, no. 6, 1964, 1684-1687

TOPIC TAGS: magnetic susceptibility, germanium, silicon, gallium, indium, tellurium, calcium, quartz ampule, corundum container, argon, helium, platinum rhodium thermocouple, diamagnetic property

ABSTRACT: The authors studied the magnetic susceptibilities of Ge, Si, GaSb, InSb, GaAs, InAs, ZnTe, CaTe, Ga_Te_3 and In_Te_3 in the fusion regime and in the liquid state by the Faraday method described by A. A. Vertman and A. M Samarin (Zav. lab., 24, 309, 1958). Ge, Si and Sb, Ga and In were monocrystalline with carrier concentrations ranging from 10¹⁴ to 10¹⁶/cm³. All other compounds were macrocrystalline with the percentage of impurities less than 10⁻⁴. Each of the specimens of Ge, in a quartz ampule. Silicon specimens (10 mm and a height of 10 mm) was placed in corundum containers. The measurements were taken in an atmosphere of argon for Cord 11/3

Ge and other compounds, while a helium atmosphere was used for Si. The magnetic field used was 5000 cersteds. Temperatures were measured by Pt-Rh-Pt thermocouples. The experiments showed that all the materials had diamagnetic properties in both the solid and liquid states. At the time of fusion a discontinuous fall in the permeability was observed in all the cases. On the basis of the magnitude of this dependence of the permeability, it is possible to classify these substances into two dependence of the permeability, it is possible to classify these substances into two groups. In the first group were Ge, Si, and compounds of the type Allipv. At the 50%, and on further heating of the melt it tended to increase decreased by 20 to consisted of tellurides of elements of the 2nd and 3rd group of the periodic table. For these substances the susceptibility decreased by 9 to 10% at fusion, and further heating reduced it still more. The authors thank Professor Ya. G. Dorfman for his attention to this work and his valuable advice during discussions. A. A. Vertman art, has: 1 figure and 1 table.

ASSOCIATION: Institut metallurgiy im. A. A. Baykova AN SSSR, Moscow (Institute of

Card 2/3

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s/0078/64/009/003/0759/0760

· AUTHORS: Glazov, V.M.; Chizhevskaya, S.N.

TITLE: Viscosity and electric conductivity of copper iodide in the molten and liquid state

SOURCE: Zhurnal neorg. khimii, v. 9, no. 3, 1964, 759-760

TOPIC TAGS: copper iddide, liquid copper iddide, molten copper iddide, viscosity, electric conductivity, hysteresis, ionic bond, ionic liquid

ABSTRACT: The temperature dependences of the viscosity and of the electric conductivity of copper iodide were determined to study the change in the nature of the chemical bond and the structure of CuI₂ on fusion and further heating. The viscosity and electrical conductivity of anhydrous CuI₂ were measured in a vacuum apparatus described by D.A. Petrov and V.M. Glazov (Zavodak, laboratoriya, No. 1, 34 (1958). The measurements show a gradual decrease in the

Card1/2

viscosity, starting at the fusion temperature of the CuI2. The electric conductivity in the solid (alpha-modification) increases gradually with temperature, then rises sharply at the melting point, and increases very slightly thereafter as the temperature of the liquid increases. There is no hysteresis in either property on cooling the melt. In view of this plus the fact that no radical changes occur in the structure of the molten CuI2 on further heating, it is concluded that the molten copper iodide is an has: 2 figures.

ASSOCIATION: None

SUBMITTED: 19Jul63

DATE ACQ: 31Mar64

ENCL: 00

SUB CODE: PH

NO REP SOV: OO4

OTHER: 004

Card 2/2

S/0020/64/154/001/0193/0196

AUTHOR: Glazov, V. M.; Chizhevskaya, S. N.

TITLE: Investigation of the physical-chemical properties of sinc and cadmium telluride melts.

SOURCE: AN SSSR. Doklady*, v. 154, no. 1, 1964, 193-196

TOPIC TAGS: zinc telluride, cadmium telluride, zinc tellurium system, cadmium tellurium system, electrical conductance, viscosity, conductance isotherm, viscosity isotherm, conductivity, covalent bonding, zinc tellurium chain structure, cadmium tellurium chain structure

ABSTRACT: The electrical conductance and viscosity of Zn-Te and Cd-Te systems containing 30-70 at. % Te were studied at temperature intervals from 450-1400C and 300-1250C. The temperature-conductance curves (fig. 1) for ZnTe and CdTe compositions show low conductance in the solids, sharp increase on melting, and another sharp increase about 60C and 120C respectively, above the

Card 1/82

melting temperature of the materials. Even a ± 57, deviation from the stoichiometric compositions changes the conductances and viscosities of the systems. It was found that the conductance isotherms rise very sharply from a minimum with excess Zn or Cd and rise less rapidly with excess Te; and the viscosity isotherms are at a maximum and fall with excess of either of the components. With increasingly high temperatures the maximum and minimum peaks lose their singular character and flatten out. The nature of the conductivity of these materials in transition from solid to liquid is discussed. The absence of an ionic liquid and the preservation of covalent bonding on melting is set forth. A chain structure between the Te and Zn(Cd) atoms is supported. Orig. art. has: 4 figures

ASSOCIATION: None

SUBMITTED: 28Jun63

DATE ACQ: 10Feb64 ENCL: 01

SUB CODE: ML

NR REF SOV: 006

OTHER: 002

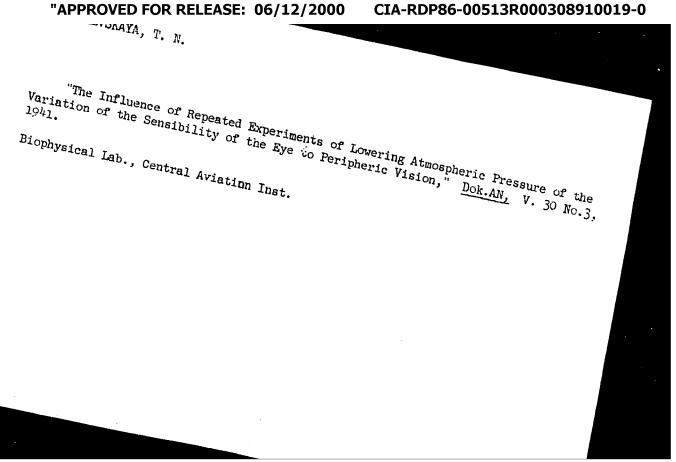
Card 2/8 2

EPA(B)-2/BAT(B)/EPF(B)-2/4/BSP(C)/ESP(G)/E(A(G)_PL-7/Pu-L IJP(c) UR/(363/65/001/003/0307/0310 1.51,988-65 JD/WW/JO ACCESSION NR: AP5011921 54- 43:620.183 AUTHOR: Glaboy, V. H.; Chizhevskaya, S. B TITIE: Structural model of shortrange treer in melts of Surmanium and silicon SOURCE: AM SSSR. Izvestiya. Meorganichankiya materialy, v. 1, no. 3, 1965, 307-310 TIPIC TAGS: structural evaluation, garagnium, silicon, ordered structure, crystal growth ABSTRACT: Change in electron mobility during transition process from the solid to the liquid phase was determined by measuring electrical conductance of Ge-Si melts as a function of temperature and on the basis of a Ce-i melt model. The Ge-Si unit model was defined by means of comparing the number of atoms in a cm as calculated from experimentally determined viscosity of the germanium melt using x-ray data on interstonic distances and coordination number of germanium at 1000°C. The number of atoms (N1) in a cm³, according to the melt midel, is equal to 6.6 × 10²². The number of atoms in one cm³ (N), determined from data on melt viscosity, is equal to 4.56·10²³. Comparison of N1 with N indicates that the structure of short range (ard 1/2

L 5h988-65 ACCESSION NR: AP5011921		
order in both germanium and	silicon melta is a diffuse	apace-centered court. At a silicon melts is 1.80.1023
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RDW/JD EWI(m)/EWP(w)/T/EWP(t)/ETI IJP(c)___ L 00633-67 SOURCE CODE: UR/0058/66/000/001/E043/E043 / ACC NR: AR6017810 AUTHORS: Lange, V. N.; Lange, T. I.; Titov, V. A.; Chizhevskaya, S. N. TITLE: Influence of slight indium impurities on the physicochemical properties of selenium SOURCE: Ref. zh. Fizika, Abs. 1E328 REF SOURCE: Sb. Materialy dokl. 1-y Nauchno-tekhn. konferentsii Kishinevsk. politekhn. in-ta. Kishinev, 1965, 70 TOPIC TAGS: selenium, indium, thermal expansion, solid solution, crystal impurity, impurity center, physical chemistry property ABSTRACT: To clarify the question whether the impurity atoms in Se are actually grouped together, measurements were made of the density, and coefficient of thermal expansion of alloys of the Se-In system, and also the viscosity of the corresponding melts. It is established that the variation of these properties with increasing In concentration is a complicated one. The data obtained, in the opinion of the authors, confirm the hypothesis that groups of In atoms are formed, and also indicate that the atoms (complexes) of In arrange themselves in chains made up of selenium atoms, and do not dispose themselves between them. [Translation of abstract] SUB CODE: 20, 11 Card 1/1

"APPROVED FOR RELEASE: 06/12/2000



CHIZHEVSKAYA, Z. A.

"A Comparative Study of Photosynthetic Activity in Male and Female Hemp Plants."

Botan. No. 5, Trudy Botan. Inst. Acad. Sci. USSR, Ser. IV. 72-86, 1941

CHIZHEVSKAYA, Z.A.; NATAROVA, N.V., redaktor; KIRHARSKAYA, A.A., tekhni-Cheskiy redaktor.

[Practical work in general botany; textbook for pedagogical and teachers' institutes] Praktikum po obshchei botanike; posobie dlia pedagogicheskikh i uchitel'skikh institutov. Isd. 2-e, ispr. Moskva, Gos. uchebna-pedagog. isd-vo Ministerstva prosveshcheniia ESFSR, 1953. 389 p.

(Botany--Study and teaching)

CHIZHEVSKAYA, Z. A.

7522 CHIZHEVSKAYA, Z. A.

KONTROL'NYYE RABOTY PO FIZIOLOGII RASTENIY S OSMOVAMI MIKROBIOLOGII.
DLYA STUDENTOV-ZAOCHNIKOV IV SURSA FAK.YESTESTVOZ-MANIYA PED. IN-TOV.
278 12D., I S PR. M., UCHPEDGI2, 1955. 40 s. 19 sm. (GLAV. UPR. PRODE GOTOVKI UCHITELEY M-VA PROSVESHCRTEN'YA RSFSE. NAUCH. METOD. KABINET PO ZAOCH. OBUCHENIYU UCHITELEY). 6.000 EKZ. 60K.—(55-3589) 581.1 \$ \$76.8) (071.4)

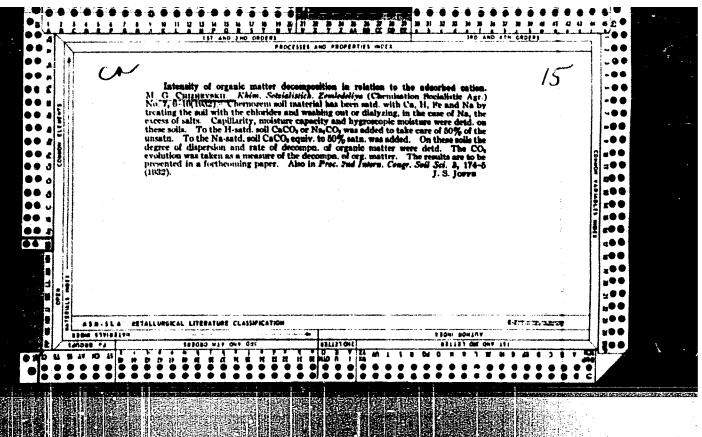
CHIZHEVSKAYA, Z.Ya., nauchnyy sotrudnik

Unit for thermal disinfection of seeds. Zashch. rast. ot wred.
i bol. 7 no.3:21 Mr 62. (MIRA 15:11)

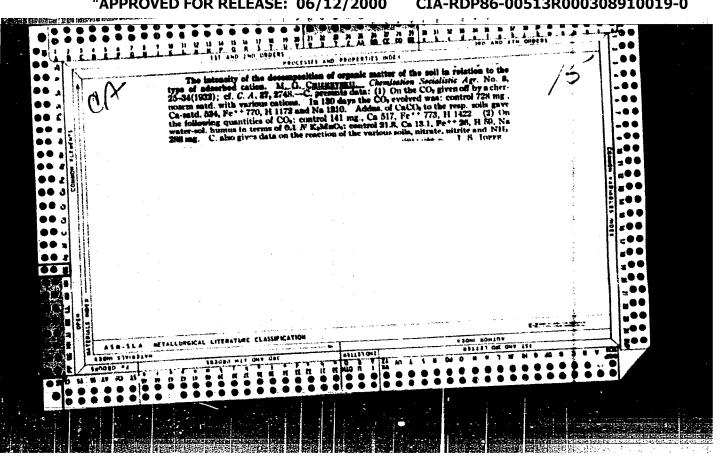
l. Laboratoriya zashchity rasteniy Tatarskoy respublikanskoy sel'skokhozyaystvennoy opytnoy stantsii.
(Tatar A.S.S.R.—Seeds—Disinfection)

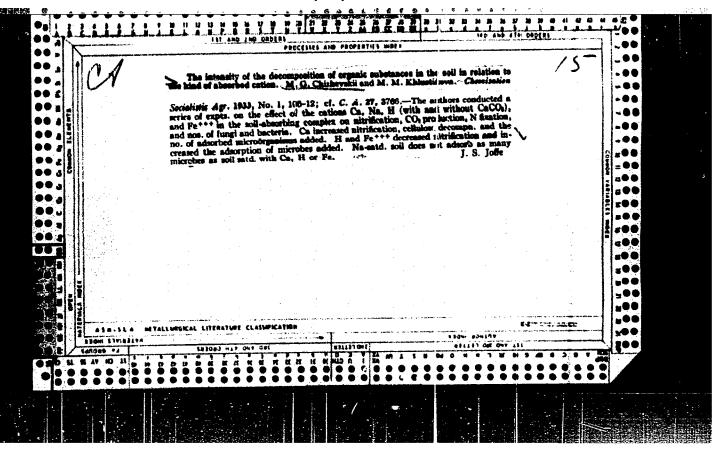
IOBANOV, P.; IOZA, G.; CHIZHEVSKIY, M.; VOROB'YEV, S.; VIL'YAMS, V.; SOBOLEV, S.; PAVLOV, G.; GARKUSHA, I.; FRANTSESSON, V.; MERSHIN, A.; PERSHINA, M.

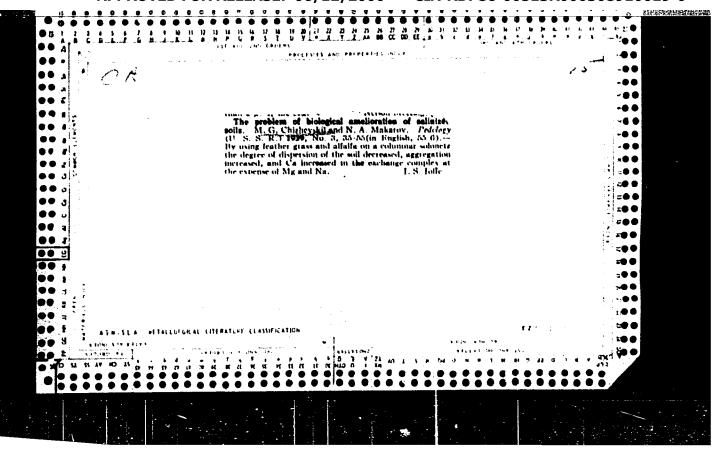
Vladimir Petrovich Bushinskii. Zemledelie 8 no.7:94-95 Jl 160. (MIRA 13:9) (Bushinskii, Vladimir Petrovich, 1885-1960)

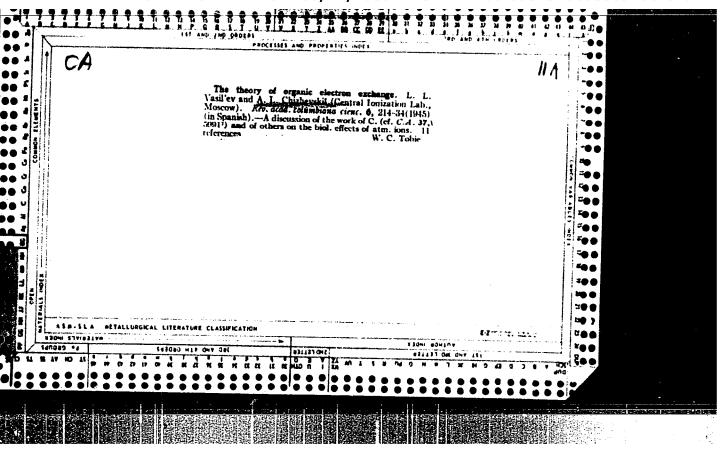


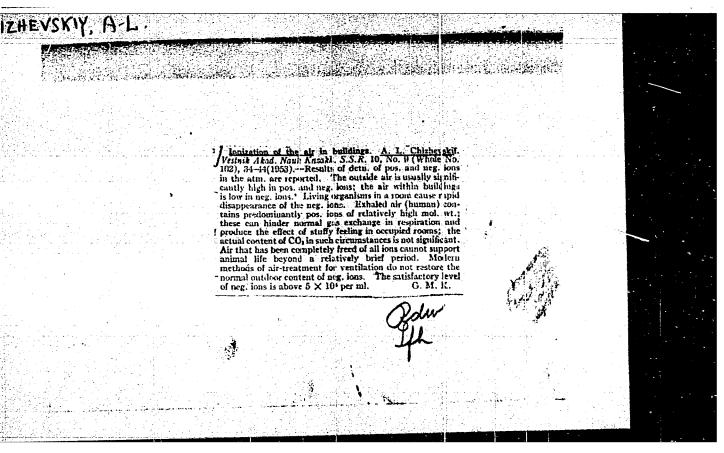
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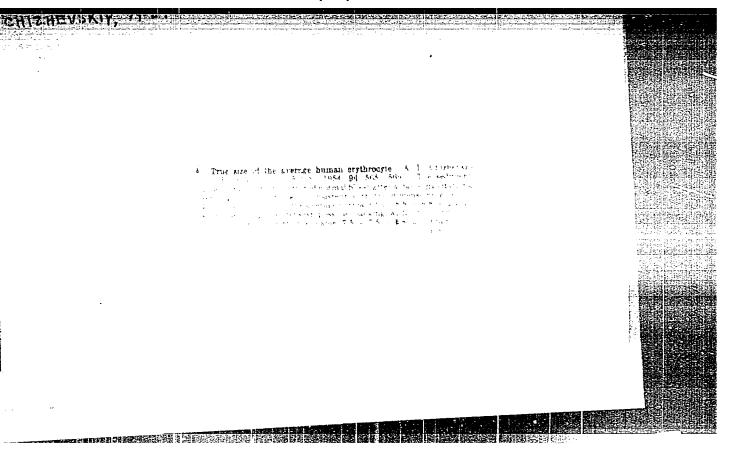
"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308910019-0

CHIZHEVSKIV. A.L., professor (Karaganda); TIMOFEYEVICH, A.V., zaveduyushchiy; TYSHCHENKO, Z.A., glavnyy vrach.

Electric reaction of the precipitation of red blood corpuscles; preliminary report. Elin.med. 31 no.3:60-63 Mr '53. (MLRA 6:5)

1. Klinicheskaya laboratoriiya khirurgicheskogo otdeletniya Karagandinskoy oblastnoy bol'nitsy (for Timofeyevich). 2. Karagandinskaya oblastnaya belinitsa (for Tyshchenko). (Blood-Corpuscles and platelets)



"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308910019-0

CHIZHEVSKIY. A.L.: TROFINOV, G.K.

Possibility of formation of rouleaux in vitro. Biul. eksp. biol.

(MLRA 9:1)

1 med. 40 no.11:70-72 N.

1. Iz Karagandinskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach

1. Iz Karagandinskoy oblastnoy etantsii perelivaniya

1. Tyshchenko) i Karagandinskoy oblastnoy etantsii perelivaniya

krovi (zav. F.L. Nizguretskaya)

krovi (zav. F.L. Nizguretskaya)

rouleaux, form. in vitro)

CHIZHEVSKIY, Aleksandr Leonidovich, prof.; LEONOVA, A.B., red.; CERASIMOVA, Ye.S., tekhn.red.

[Manual on the use of ionized air in industry, agriculture, and in medicine; instructions on the use of "Soiuzsantekhnika" ionized air installations] Rukovodstvo po primeneniiu ionizirovannogo vozdukha v promyshlennosti, sel'skom khoziaistve i v meditsine; metodicheskie ukazaniia pri pol'zovanii aeroionifikatsionnymi ustanovkami "Soiuzsantekhniki." Moskva, Gosplanizdat, 1959. 55 p. (MIRA 13:6)

CHIZHEVSKIY, Aleksandr Leonidovich, prof.; KORZHUYEV, P.A., doktor biolog.
nauk, otv.red.; TRINCHER, K.S., red.izd-va; ASTAF'YEVA, T.A.,
tekhn.red.

[Structural analysis of circulating blood] Strukturnyi analiz dvizhushcheisia krovi. Moskva, Izd-vo Akad.nauk SSSR, 1959.
473 p. (MIRA 12:12)

YAKERSON, Matvey Semenovich; TSYBUL'SKIY, Vladimir Abramovich. Prinimali uchastiye: LABUDIN, I.A.; PEDCROV, Ye.L.; KELLO, I.O.; CHIZHEVSKIY, A.L.; POLENOV, A.N.; NIKITIN, M.N.; IVANOV, I.I.; GEYET, N.V.; FEDOROV, Ye.V.; FEDOSOV, M.G. YEGOROVA, K.I., red.; ONOSHKO, N.G., tekhn.red.

[The "Znamia Truda" Factory; a brief account of the "Znamia Truda" Armature Factory in Leningrad] Znamia truda; kratkii ocherk istorii leningradskogo armaturnogo zavoda "Znamia truda," 1960. 207 p. (MIRA 14:4)

(Leningrad-Factories)

PHASE I BOOK EXPLOITATION

SOV/6144

Chizhevskiy, Aleksandr Leonidovich, Professor.

- Aeroionifikatsiya v narodnom khozyaystve (Ionization of Air as a Factor in the National Economy). Moscow, Gosplanizdat, 1960. 757 p. Errata slip inserted. 22,500 copies printed.
- Eds. (Title page): A. G. Pogosov and F. T. Sadovskiy; Ed.: M. M. Medvedev; Tech. Ed.: A. A. Ponomareva.
- PURPOSE: This book is intended for engineers and scientists concerned with problems of air ionization and its physiological effects.
- COVERAGE: The book discusses natural and artificial air ionization and its effects on living organisms; particular attention is given to applications for public buildings, industry, farming, and medicine. No personalities are mentioned. There are 1491 references: 676 Soviet, 309 French, 235 German, 200 English, 33 Italian, 16 Portuguese, 8 Spanish, 6 Swedish, 4 Turkish, 3 Latin, and 1 Polish.

Card 1/8

CHIZHEVSKIY. A.L., prof.

Ionization of air. Izobr.i rats. no.6:9-12 Je '60. (MINA 14:2) (Air, Ionized)

CHIZHEVSKIY, A. L. (Moscow)

"Mathodology of studying the sun rhythms of the infectional and other illnesses."

report submitted for the 8th Intl Conf. of the Society for Biological Rhythm, Hamburg, GFR, 9-11 Sep 1963.

CHIZHEVSKIY, Aleksandr Leonidovich, prof.; SOROKO, Ya.I., red.;
RAKITIN, I.T., tekhn. red.

[The sum and us] Solntse i my. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no.24) (MIRA 17:1)

a series of the series

ACCESSION NR: AT4042719

\$/0000/63/000/000/0485/0485

AUTHOR: Chizhevskiy, A. L.

TITLE: Certain microorganisms as indicators of solar activity and predictors of solar flares

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963. Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy* konferentsii. Moscow, 1963, 485-48"

TOPIC TAGS: solar flare, bacteria, biological sensor, solar flare detection, solar flare prediction, biological detector, physical solar process

ABSTRACT: Since 1915, a large amount of statistical data has been accumulated which indicates that nerve cells and certain microorganisms are sensitive to solar activity, and particularly to sunspots and solar flares. This relationship was noted during the study of certain epidemic diseases whose activities appeared to be related to the cycle of solar activity. In a number of cases, it was found that sharp rises in the dynamics of epidemics preceded astro-Cord 1/.3

ACCESSION NR: AT40427179

physical activity by several days. A sudden rise in mortality from infectious diseases and pathological conditions of the cardiovascular system were found to be strong indicators of subsequent astrophysical activity. A study of the relationship between major epidemics of the late nineteenth and early twentieth centuries indicated a very high degree of corrolation (0,8--0.9) between solar activity and the course of major epidemics. The importance of identifying a sensitive biological reaction which would forewarn of changes in solar activity several days ahead of time became evident in the late 1920's, In 1929, a search for microorganisms sensitive to changes in solar activity was begun. Shortly before the beginning of the World War II bacteria with a 4- to 5-day "warning effect" were found. Apparently, these microorganisms contain substances which are capable of detecting on a molecular or atomic level nuclear processes taking place in the interior of the sun at a time when these processes are not yet evident on the solar surface. These biological detectors of physical solar processes can provide the basis for a warning system of solar emissions several days before these processes can be detected by astrophysical means.

Card 2/3

ACCESSION NR: AT4042719

ASSOCIATION: none

SUBMITTED: 27Sep63 ENCL: 00 SUB CODE: LS

NO REF SOV: 000 OTHER: 000

Card 3/3

FEDYNSKIY, V.V., doktor fiz.-matem. nauk, prof., otv. red.; BALLAKH, I.Ya., red.; PIOTROVSKIY, V.V., kand. geogr. nauk, red.; TARANOV, N.I., red.; CHIZHEVSKIY, A.L., prof., red.; KUMKES, S.N., red.; CHERNYKH, M.P., mlad. red.

[Earth in the universe] Zemlia vo vselennoi. Moskva, Tzd-vo "Mysl'," 1964. 490 p. (MIRA 17:10)

CHIZHEVSKIY, N. G.

"Soil Cultivation and Measures Against Weeds in Grassland Crop Rotation," Izd. 2. Chkalovskoye Izd-vo, 1949

Chizhevskiy, M. G. and Nemtsov, V. F, "Fight against drought and problems of higher schools of agriculture," Vestnik vyssh. shkoly, 1949, No. 1, p. 27-30
SO: U-3264, 10 April 53 (Letopis 'Zhrunal 'nykh Statek, No. 4, 1949).

CHIZHEVSKIY, M. G.

"The Rotation System of Cultivation," Pochvovedeniye, No. 1, 1949

CHIZHEVSKIY, M. G. (Prof)

"Crop Rotation System of Agriculture," Nauka i Zhizn', No. 3, 1949.

CHIZHEVSKIY, M. C.

35383 Sistema Obrabotki Chernykh Parov Pod Polezachchitnye Lesnye Polosy. Les I Step!, 1949, No. 5, S. 13-20

SO: Letopis' Zhurnal'nykh Statey Vol. 3h, Moskva, 1949

CHIZHEVSKIY, M. G.

36301

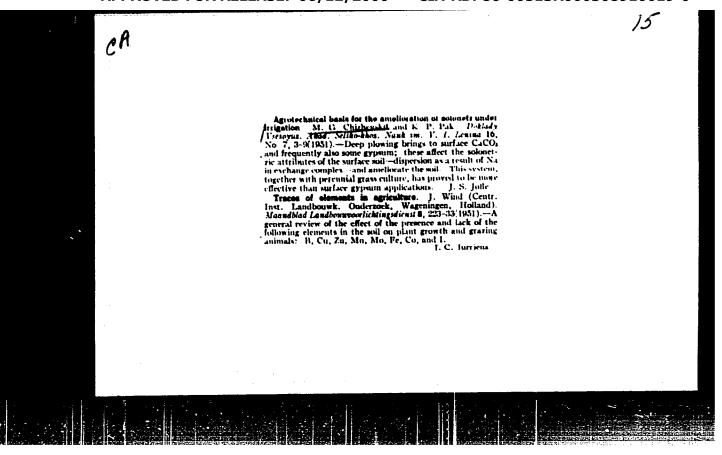
Vydayushiysya uchenyy stalimskoy epokhi-V.R. Vil'yams. (K-10-letiyu so divya smerti) Les i step', 1949, No 6, s 16-20

SO; Letopis' Zhurmal'nykh Statey, No. 49, 1949

CHIZHESVSKII, M.G.

22560 Chizhevskii, M.G. O Travosmesyakh Dlya Polevykh Sevooborotov Zasushlivoi Zony Yugo-Vostoka. Sov. Agronomiya, 1949, No. 7, S. 37-47-Bibliogr: 15 Nazv.

SO: Letopis No. 30, 1949



CHIZHEVSKIY, M. G.: KULAKOV, YE. V.

Fertilizers and Manures

Application of organic and mineral fertilizers at the same time. Pochwovedenie, No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October, 1952 1953, Unclassified.

CHIZHEVSKIY, M. G.

"Necessary and Valuable Book 'Grassland Crop Rotation on Kuban Collective Farms'," reviewed by N.V.Kotel'nikov, Sow. agron., 10, No.7, 1952

CHIZHEVSKIY, M.G.

Zemledelie s osnovami pochvovedeniia Agriculture and fundamentals of soil science. Moskva, Sel'khozgiz, 1953. 440 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

CHIZHEVSKIY, M. G.; KOXINSKIY, V. S.

Caucasus, Northern - Soils

Effect of an alfalfa-rye grass mixture on the improvement of soil structure in chernozems of the western part of the Northern Caucasus. Pochvovedenie No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified

- 1. CHIZHEVSKIY, M.G.; YAKOVENKO, D.P.
- 2. USSR (600)
- 4. Graphite
- 7. Care of perennial grasses in field crop rotation in the central part of the non-chernozem bolt, M.G. Chizhevskiy, D.P. Yakovenko, Sov.agron. 11 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Unclassified

CHIZIEVSKIY, M. G.

The Committee on Stalin Prizes (of the Douncil of Ministers DNE) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 15 % and 1953. [Sovetskays Kultura, spacew, No. 22-40, 21 fee - 3 Apr. 1954]

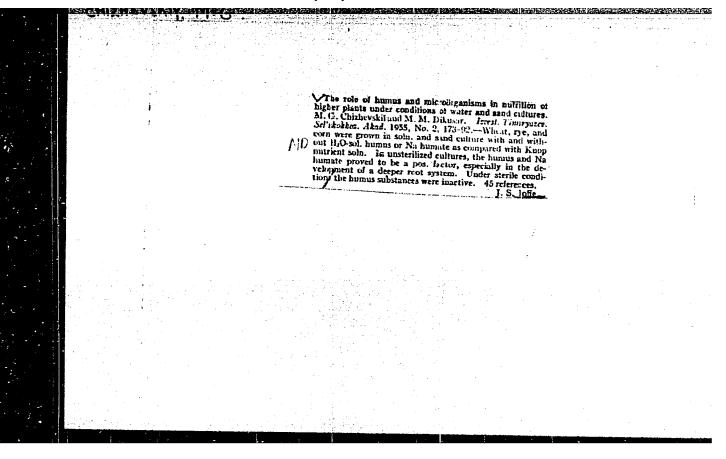
Sokolov, N. S. Yarkov, S. P. Chizhevskiv, M. G. Cherkasov, A. A. Shestakov, A. G. Gulyakin, I. V. Peterburgskiy, A. V. Troitskiy, A. N. Luk'yanyuk, V. I. Savzdarg, E. E. Trofimovich, A. Ya. Kuznetsov, V. S. Kudryavtsev, N. Ye. Pronin, A. F.

Alekhin, N. V. Sachli, S. N.

Title of Work "Elements of Farming" (textbook)

Moscow Agricultural Academy imeni K. A. Timiryazev

80: W-30604, 7 Jilly 1-154



VOROBIYEV, Sergey Andreyevich; YEGOROV, V.Ye.; KISELEV, A.N.; CHIZHEVELIG M.G., professor, redaktor; CRACHEVA, V.S., redaktor; VESKOVA, Ye.I., tekhnicheskiy redaktor

[Manual for laboratory work on problems in agriculture] Rukovodstvok laboratorno-prakticheskim zaniatiiam po zemledeliiu. Izd. 2-0e, perer. Pod red. M.G.Chizhevskogo. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 326 p.

(Agriculture-Study and teaching)

VERBIN, Akim Akimovich, professor; EVASNIKOV, V.V., professor; KLECHETOV, A.N., professor; CHIZHEVSKIY, M.G., professor; GRACHEYA, V.S., redaktor; YEGOROV, V.Ye., specifiedaktor; PEVZNER, V.I., tekhnicheskiy redaktor

[Agriculture] Zemledelie. Moskva, Gos. isd-vo selkhoz. lit-ry, 1956. 270 p. (MIRA 10:1)
(Agriculture)

J

Country: USSR

Category: Soil Science. Tillage. Reclamation. Erosion.

Abs Jour: RZhBiol., No 18, 1958, No 82145

Author : Chizhevsliy, M.G.

Inst :- Moscow Agrical threat Agademy

Title : Correct Soil Trontment in Crop Rotations Within the

Basic Soil-Climatic Zones of the USSR

Orig Pub: Dokl. Mosk. s.-kh. akad im KA. Timiryazeva, 1956,

1, No 25, 5-12

Abstract: No abstract.

Card : 1/1

USSR/Soil Science. Processing. Melioration. Erosion. I-5

Abs Jour: Referat. Zh. Biol., No. 16, 25 Aug, 1957, 69058.

Abstract: the water runs off on frozen ground, which is most stable to erosion processes. The liquid flow when the snow was blackened consisted of 752 T/hectare from a total reserve of 835.4 T. In the first instance, of the total reserve, 241 T/hectare was absorbed by the soil—in the second instance, 230 T. Over the area where the blackening of snow took place in 1952 the soil wash-out was less by 1.33 m³/hectare or 22.2% than in the control section. The countererosional role of snow barriers consists in accumulation of such soil parts as are washed down from the upper layers of the incline. It is recommended that the barriers be placed on the bends of the slope in such places where streamlets are formed. Each barrier on the bends of the slope accumulated on the average 0.641 m³ of soil, and in other spots of the slope, only 0.374 m³.

Card 2/2

- 48 -

CHIZHEVSKIY, M.G., professor, kandidat sel'skokhosyastvennykh nauk;

POLOVITSKIY, I.Ya., kandidat sel'skokhosyaystvennykh nauk;

ISHIGENOV, I.A., kandidat sel'skokhosyaystvennykh nauk.

Agricultural use of solenetz soils in North Kasakhstan Province.

Zemledelie 4 no.6:13-20 Je '56. (NERA 9:8)

(NGPA Kasakhstan Province--Agriculture)

(Solenetz soils)

USSR/Soil Science. Cultivation, Melioration. Erosion J

: Ref Zhur-Biol., No 13, 1958, 58348, By T. I, Abs Jour

Karelin

Author

Chizhevskiy M., Polovitskiy I., Ishgenov I.

Not given

Inst Title

: Reclaiming of Saline Soils in Northern Kazakh-

stan

Orig Pub

: S. kh. Kazakhxtana, 1956, No 6, 39-43

Abstract

: Experimental comparison of the different methods of plowing of saline soils, and the effect of the plowing on the properties of the soil and farm crops was carried out in Mamlyutinskiy Raon, Northern Kazakhstan Oblast in 1953-1955. The experiments were conducted on complex soils: Strongly saline chernozem, suberous, medium laterite, salt bottom. More than 80% of the

Card 1/2

25

CHIZHEVSKIY, M.G., professor.

Tillage systems in the turf-Podsolic zone. Zemledelie 4 no.11:15-23 N '56. (MLRA 10:2)

(Tillage)

USSR/Cultivated Plants - General Problems

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53511

Author : Chizhevskiy, M.G.

Inst : Moscow Agricultural Academy ineni K.A. Timiryazev

Title : Agrotechnical Foundations of the Agricultural System in

the South-east of USSR

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1956,

vyp. 23, 19**-**23

Abstract : This report briefly examines some erroneous assumptions

in the grassland system of agriculture suggested by V.

R. Vil'yams.

Card 1/1

- 3 -

Chizhevskiy, Mikheil Origoniyayiah, prof.; KISELEV, A.H., dots.; VOROB'YEV, S.A., dots.; YEGOROV, V.Ye., prof.; FALEV, P.M., dots.; YAMNIKOV, A.N., assistent; CHELYSHKIN, Yu.G., red.; GOR'KOVA, Z.D., tekhn. red.

[General agriculture] Obshchee zemledelie. Pod red. M.G.Ghizhevskogo. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1957. 357 p. (MIRA 11:2) (Agriculture)

CHIZHEVSKIY, M.G., doktor sel'skokhozyaystvemykh nauk, prof.

Development of the theoretical bases of cropping practices and immediate tasks [with summary in English]. Izv. TSKhA no.4:51-66

157.

(Agriculture) (Tillage)

(MIRA 11:1)

Chizebskiy, M.G., doktor sel'skokhosyaystvennykh nauk, prof.

Work results of the V.R. Vil'iams Station of Soil Science and Agronomy [with summary in English]. Isv. TSKhA no.5:7-16 '57.

(Agricultural research)

(Soil research)

USSR / Soil Science. Cultivation. Improvement. Erosion

J-5

: Rof. Zhur - Biologiya, No 17, 1958, No. 77447

Author

Chizhovskiy, M. G.

Inst

: Not givon

Titlo

: Cultivation of Soil in the Chernozem Zone

Orig Pub

: Zomlodoliyo, 1957, No 5, 13-23

Abstract

: Ploughing with a subsoil plough to a dopth of 25 + 5 cm, instead of ploughing at 20-22 cm, increased the harvest of winter wheat by 2-3 c/hn. Cultivation with a plough without a moldboard was loss offective than moldboard ploughing. Substitution of ploughing with shallow ploughing by disk tillors significantly decreased the harvest of wheat. Observations were conducted on the southern chernozens of the Nove-Anneask Base in the Stalingradsknya Oblast. --F. N. Sofiyova.

Card 1/1

36

CHIZHEVSKIY, M.G., doktor sel'skokhosyaystvennyka nauk.

Development of theoretical principles for farming systems. Zemledelie 5 no.11:59-68 H '57. (MIRA 10:11)

TESR / Soil Science. Physical and Chemical Properties J of Soils.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95684.

Author : Chizhevskiy, M. G., Rumyantsev, V. I.

Inst : Timiryazev Agricultural Academy.

Title : On the Problem of Conditions for Soil Structuring.

Crig Pub: Izv. Timiryazevsk. s.-kh. akad., 1957, No 5,

91-106.

Abstract: As a result of tests conducted on turf-podzolic soild from different rayons of Moscow Oblast, it is clear that soils of average clay mechanical composition are structured within one year under the effect of perennial grasses. Soils of dusty-hoavily clay and dusty-clay mechanical composition are structured after 3 annual crops of perennial grasses. The water permeability of the

Card 1/2

7

· USSR / Soil Scionce. Physical and Chemical Properties J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95684.

Abstract: aggregates is greatest with a humidity of the soil of about 50% of the capillary moisture capacity. Aggregates prepared with lime are noted for less water stability, which can be explained by the activization of vital activity of the aerobic bacteria that destroy the organic substance. With fluctuations of moisture from 50 to 20%, a better combination of aerobic and anaerobic microbiological processes is created, which raises the water stability of the aggregates. -- S. A. Nikitin.

Card 2/2

USSR/Soil Science - Organic Fertilizers.

Abs Jour : Ref Zhur Biol., No 19, 1958, 86809

Author

: Chizhevskiy, M.G.

Inst Title : Application of Mixtures of Organic mineral Fertilizers

(From the Findings of Research Made of the V.P. Vil'yans

J

Agricultural Soil Station).

Orig Pub

: Udobreniye i urozhay, 1957, No 6, 6-15

Abstract

: The placement of mixtures of organic fertilizers with P,K, and Ca, and also double mixtures of organic fertilizer with P or Ca gives higher crop yields than the separate placement of these fertilizers; for example, 2 centners pf P and 10 centners of peat per 1 hectare in the form of a mixture gave a barley crop gain of 5.6 centners, and with separate placement, a gain of 3.5 centners. The effectiveness of a mixture of small doses of manure and lime with P_c in poor N soils is lower than that of 20 tons

Card 1/2

DOBRYNIN, V.P., prof.; OL'SHANSKIY, M.A., akademik, lektor; YELIN, Ye.Ya., dots.; FAT'YANOV, A.S., prof.; GUBAREV, A.N.; TKACHENKO, P.I., dots.; CHIZHEVSKIY, M.G., prof., lektor; AVDONIN, N.S., prof., lektor; ONUCHAK, A.I., dots.; DUNIN, M.S., prof., lektor; SAVZDARG, E.E., prof., lektor; KREMENETSKIY, N.D., dots., lektor; AVER'YANOV, S.F., dots., lektor; POLUBOYARINOV, I.I., dots.; GUBAREV, A.N., red. izd-va; NAUMOV, K.M., tekhm. red.

[Textbook on agriculture for party schools]Uchebnoe posobie po sel-skomu khoziaistvu dlia partiinykh shkol. Moskva. Pt.1. [Crop farming] Zemledelie. 1958. 397 p. (MIRA 15:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola. 2. Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Dobrynin, Ol'shanskiy, Gubarev, Tkachenko, Chizhevskiy, Avdonin, Onuchak, Dunin, Savzderg, Kremenetskiy, Aver'yanov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Ol'shanskiy). 4. Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Ukrainy (for Yelin, Poluboyarinov). 5. Gor'kovskeya Vysshaya partiynaya shkola (for Fat'yanov).

(Agriculture)

VERBIN, Akim Akimovich, prof.; KVASNIKOV. V.V., prof.; KLECHETOV, A.N., prof., CHIZHEVSKIY, M.G., prof., Prinimaliuchastiye: GOLIKOV, A.F., dotsent. GRACHEVA, V.S., red.; SOKOLOVA, N.N., tekhn.red.; FEDOTOVA, A.F., tekhn.red.

[Agriculture] Zemledelie. Isd.2, perer.i dop. Moskva, Gos.izd-vosel'khoz.lit-ry, 1958. 429 p. (MIRA 12:3)

l. Kafedra zemledeliya Moskovskoy sel'skokhozyaystvennoy akademii imeni K.A.Timiryazeva (for Golikov). (Agriculture)

CHIZHEVSKIY, N.G., doktor sel'skokhozyaystvennykh nauk, prof.; MAKARETS, I.K., kand. sel'skokhozyaystvennykh nauk.

Single soil format ion process [with summary in Hnglish]. Izv.
TSKhA no.2:95-108 '58. (MIRA 11:6)
(Soil formation)

COUNTRY

USSR

OAGMOORY : Cultivated Plants. General Problems. M

15561

ABS. JOUR. : Ref Zhur-Biologiya, No.4, 1959,

AU'LHOR INST.

: Chizhevskiy, M.G.

TIME

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